

## WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Payant Classification 7:	l	(11) International Publication Number: WO 00/44469
B01D 17/02	A1	(43) International Publication Date: 3 August 2000 (03.08.00)
(21) International Application Number: PCT/GB (22) International Filing Date: 1 February 2000 (1) (30) Priority Data: 9900220.4 1 February 1999 (01.02.99) (71) Applicant (for all designated States except US): CYCI LIMITED [GB/GB]; Skene House, 96 Rosemount Aberdeen AB25 INX (GB). (73) Inventors' Applicants (for US only): SINKER, Alasta ton [GB/GB]; 2 The Ridgeway, Guildford, Sun 2DG (GB) HESS, Michael, James [AU/GB]; 8 Ea Easton, Nr. Newbury, Berkshire RG20 8ED (GB FIELD, David, Andrew (GB/GB); "Swasadee", I Agant: MATHISEN MACARA & CO.; The Code 6-S Swakeleys Road, Ickenham, Uxbridge, Middles 8EZ (GB).	GLOTEC t Viaduc air, Brea rey GU ston Hill 3). HAL Loxwoo	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, FI, GB, GD, GE, MG, HR, HL, DI, II, IN, IS, PF, MD, MG, MK, MN, MW, MX, MC, MG, MG, MN, MN, MW, MX, MC, MG, MG, MN, MN, MW, MX, MC, MG, MG, MK, MN, MW, MX, MC, MG, MG, MK, MN, MC, MG, MG, MK, MK, MC, MG, MK, MK, MK, MK, MK, MK, MK, MK, MK, MK

(54) Title: FLUID PROCESSING FOR SEPARATING EMULSION.

(57) Abstract

Fluid processing apparatus comprising a vessel (20) containing a hydrocyclone (18) and defining an inlet chamber, the vessel having a vessel inlet (22) arranged to feed fluid into the inlet chamber, and the inlet chamber being arranged to receive fluid from the vessel inlet (22) and to pass the fluid to an inlet (8) of the hydrocyclone, the inlet chamber including coalescing means (30) arranged to coalesce relatively small droplets contained in fluid received at the vessel inlet (22) into larger droplets before passing the fluid to the hydrocyclone inlet (3), the coalescing means having a substantially predetermined external shape which defines at least one elongate liner hole for receiving a respective hydrocyclone linet.